

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
1 April 2004 (01.04.2004)

PCT

(10) International Publication Number  
**WO 2004/026381 A1**

(51) International Patent Classification<sup>7</sup>: **A61M 16/08**

(21) International Application Number:  
PCT/DK2003/000605

(22) International Filing Date:  
18 September 2003 (18.09.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
PA 2002 01372 18 September 2002 (18.09.2002) DK

(71) Applicant (for all designated States except US): **HVIDOVRE HOSPITAL [DK/DK]**; Kettegårds Allé 30, DK-2650 Hvidovre (DK).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **BOELT, Poul** [DK/DK]; Finnjollevvej 27, DK-4040 Jyllinge (DK).

(74) Agent: **PLOUGMANN & VINGTOFT A/S**; Sundkrogs-  
gade 9, DK-2100 Copenhagen Ø (DK).

(81) Designated States (national): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA,

CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

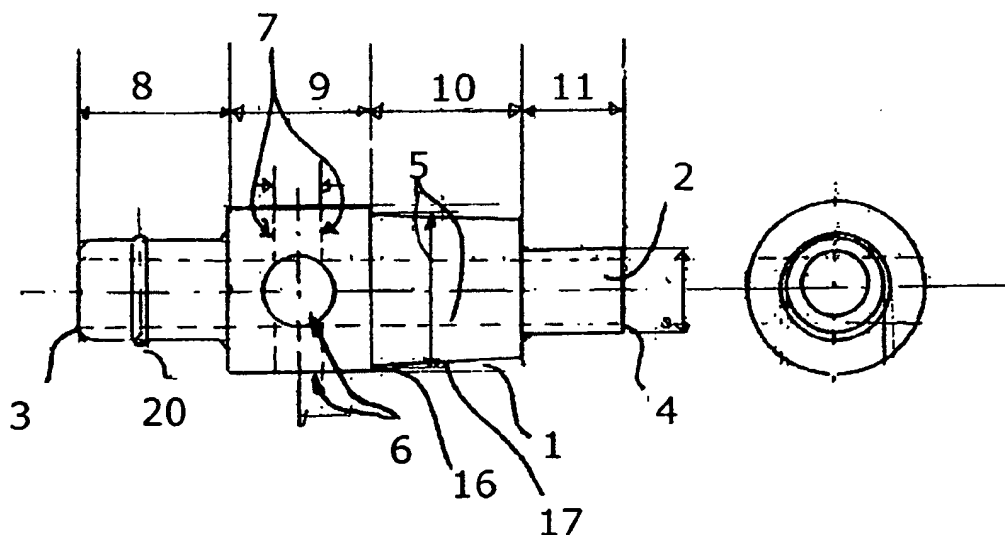
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: A PRESSURE REDUCING DEVICE



(57) Abstract: A pressure reducing valve for nasal supplying of a flow of air to a patient. The valve comprises a hollowed tubular member (1) comprising a high pressure air inlet end part (3), a low pressure air outlet end part (4) opposite to said inlet end part (3), and an intermediate air venting part having perforations (6, 7) for venting a constant and non-adjustable pressure and flow of air from the inner cavity of the tubular member (1) into the ambient atmosphere. A shielding member (fig.3) positioned above said perforations (6, 7) secures the perforations (6, 7) from becoming obstructed and for directing the air flow from said perforations (6, 7) towards said air inlet end part (3).

WO 2004/026381 A1